



FACILITY COMPLIANCE INSPECTION REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Alamance PERMIT NO.: 01-06 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P	X	FIRM		
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Site Inspection: December 18, 2012 **Date of Last Inspection:** September 9, 2011

FACILITY NAME AND ADDRESS:

Carolina Resource Recovery, Inc. Treatment and Processing Facility
Jones Drive
Mebane, NC 27302

GPS COORDINATES: N: 36.02025 E: -79.27415

FACILITY CONTACT NAME AND PHONE NUMBER:

Steven S. Scott, President – Carolina Resource Recovery, Inc.
and CEO – Scott Stone, Inc.
w. 919-563-3469
c. 336-214-7229
f. 919-563-6335
lscott@scottstone.com

FACILITY CONTACT ADDRESS:

Steven S. Scott, President – Carolina Resource Recovery, Inc.
and CEO – Scott Stone, Inc.
3285 Jones Drive
Mebane, NC 27302

PARTICIPANTS

John Patrone, Environmental Senior Specialist – Solid Waste Section (SWS)
Steven S. Scott, President - Carolina Resource Recovery, Inc. and CEO – Scott Stone, Inc.

STATUS OF PERMIT:

Permit To Operate (PTO) issued December 14, 2012
PTO expiration date December 14, 2017

PURPOSE OF SITE VISIT:

Comprehensive Inspection

STATUS OF PAST NOTED VIOLATIONS:

None

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OBSERVED VIOLATIONS

None

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

ADDITIONAL COMMENTS

On December 18, 2012, John Patrone met with Steven S. Scott to conduct a comprehensive inspection of the Carolina Resource Recovery, Inc. Treatment and Processing Facility on Jones Drive in Mebane, Alamance County.

1. The facility is a land clearing debris (LCD) treatment and processing (TP) facility. High carbon:nitrogen ratio material is managed for the production of mulch and soil.
2. The facility permit, site plan, and operations plan were discussed.
3. The facility is in operation Monday through Friday 8:00 am to 5:00 pm and Saturday 7:00 am to 12:00 pm by appointment.
4. High carbon:nitrogen ratio material received is formed into piles resembling windrows. The windrows are left in-place, allowing vegetation to grow atop. Material is stored for ~ 18 months, turned ~ 3 times. Soil is collected from the windrows, during the turning operation, and is stored in piles until screened. Land clearing debris is ground twice a year or until enough is obtained to necessitate grinding.
5. The facility is permitted to receive LCD, untreated and unpainted wood waste, pallets, and uncontaminated soil. Yard trash (high nitrogen:carbon ratio material) shall not be accepted.
6. Material is generally received from Alamance, Chatham, and Orange Counties.
7. The facility has conditional approval for a temporary disaster debris staging site (TDDSS). During the inspection the TDDSS did not contain material.
8. The facility is divided into three sections. One is dedicated to soil stockpile and screening. The second is dedicated to LCD process and storage. And the third (currently unused) is dedicated to the TDDSS and, if necessary, mulch storage. Mr. Scott stated that material is ground in the LCD storage area and the mulch is generally sold soon after being obtained.
9. Woody material obtained from the soil screening operation is staged adjacent to the screener until it breaks-down enough to allow it to be processed. Mr. Scott was asked to place the woody material in a pile resembling a windrow.
10. If the facility plans to operate the TDDSS due to a natural disaster the facility must notify the SWS prior to accepting material. Material accepted at the TDDSS must be removed (from the TDDSS) within six months. The TDDSS number is: DS01-001.
11. Mr. Scott agreed that the area designated for the TDDSS consists of ~ 2.4 acres cleared of woody vegetation and ~ 2.4 acres containing trees. It was suggested that the remaining area available for the TDDSS be cleared of trees to increase the area available for debris storage during a natural disaster.
12. The LCD storage area piles appeared to be \leq 33 feet wide and 16 feet high.
13. The LCD storage area shall maintain \geq 20 feet row aisles.
14. Mulch piles should be limited to ~ 10 feet wide and 12 feet high.
15. The mulch pile storage area shall maintain \geq 15 feet row aisles.
16. Unprocessed debris piles associated with the TDDSS shall be \leq 25 feet wide and 12 feet high.
17. Unprocessed debris storage at the TDDSS shall maintain \geq 15 feet row aisles.
18. The average inflow of material received is 72 cy³ per week/6 tandem axle trucks. Facility capacity is limited by LCD windrow storage pile dimensions.
19. Mr. Scott stated that a single axle truck holds ~ 7 - 8 tons, a tandem axle holds ~ 16 tons, a tri-axle holds ~ 18 - 20 tons, and a tractor trailer holds ~ 48,000 lbs (all estimates assume 40% airspace).

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20. The facility annual report (FAR) for July 2011 through June 2012 was received by the SWS, dated July 25, 2012. The facility received 361.20 tons of LCD. The facility sold 145.80 tons of mulch.
21. The facility has calculated that LCD received is converted using a factor of 400 pounds per cubic yard or 0.2 tons/yd³.
22. The facility maintains records of material received and sold. Records were verified for July through November 2012. The facility received 200.80 tons of LCD and sold 759.50 yd³ of topsoil.
23. During dry conditions the facility will apply water to access roads and/or limit activity to prevent dust from becoming a nuisance or safety hazard.
24. The facility appeared to maintain a 50 foot buffer from property lines.
25. The Division of Water Quality (DWQ) issued the facility a certificate of coverage (No. NCG210421), General Permit (No. NCG210000), dated February 1, 2012.
26. The facility should be routinely mowed such that stored material can be accurately monitored and easily accessible.
27. No erosion or runoff was observed.
28. The facility is secured by a locked gate.
29. Mr. Scott stated that the facility sign was stolen and will be replaced ASAP.
30. The permit expiration date is December 14, 2017.
31. The permit renewal application should be submitted to the SWS by August 14, 2017.

Please contact me if you have any questions or concerns regarding this inspection report.



John Patrone
Environmental Senior Specialist
Regional Representative

Phone: 336-771-5095 Fax: 336-771-4631

Sent on: <u>December 21, 2012</u>	<input checked="" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input type="checkbox"/>	US Mail	<input type="checkbox"/>	Certified No. <input type="checkbox"/>
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Copies: Jason Watkins, Western District Supervisor
Jessica Montie, Compliance Officer
Tony Gallagher, Environmental Supervisor
Liz Patterson, Composting and Land Application Branch

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Digital photographs taken on December 18, 2012
by John Patrone, DWM-SWS

Soil screening area, soil stockpiled to be screened



Pile of soil obtained from turning LCD windrows



Access road between LCD windrows



Area dedicated to TDDSS

